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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/713,764	11/14/2003	Hsu-Sheng Yu	MXIC-P910259	3586
7590 11/01/2005			EXAMINER	
Kenton R. Mullins			UMEZ ERONINI, LYNETTE T	
	yan & Mullins, LLP		ADTIBUT	PAPER NUMBER
Suite 300			ART UNIT	PAPER NUMBER
4 Venture			1765	
Irvine, CA 92618			DATE MAIL CD. 11/01/2004	•

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	10/713,764	YU, HSU-SHENG
Office Action Summary	Examiner	Art Unit
The MAILING DATE of this comment of the	Lynette T. Umez-Eronini	1765
The MAILING DATE of this communication a Period for Reply		
A SHORTENED STATUTORY PERIOD FOR REP WHICHEVER IS LONGER, FROM THE MAILING  - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory perions for the provision of the statutory perions for the st	DATE OF THIS COMMUNIC.  1.136(a). In no event, however, may a report will apply and will expire SIX (6) MONTE tute, cause the application to become ABA	ATION. ply be timely filed  HS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on 14	November 2003.	·
<u> </u>	nis action is non-final.	
3) Since this application is in condition for allow	vance except for formal matte	rs, prosecution as to the merits is
closed in accordance with the practice under	r <i>Ex par</i> te Quayle, 1935 C.D.	11, 453 O.G. 213.
Disposition of Claims		
4)⊠ Claim(s) <u>1-25</u> is/are pending in the application	าท	·
4a) Of the above claim(s) is/are withdr		
5) Claim(s) is/are allowed.		
6) Claim(s) is/are rejected.		
7) Claim(s) is/are objected to.		
8) Claim(s) are subject to restriction and	l/or election requirement.	•
Application Papers		•
9) The specification is objected to by the Examin	ner.	
10) The drawing(s) filed on is/are: a) a		v the Examiner.
Applicant may not request that any objection to the		
Replacement drawing sheet(s) including the corre	• • • • • • • • • • • • • • • • • • • •	• •
11) The oath or declaration is objected to by the		-
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreig	gn priority under 35 U.S.C. §	119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:		
1. Certified copies of the priority docume	nts have been received.	
2. Certified copies of the priority docume	nts have been received in Ap	plication No
<ol><li>Copies of the certified copies of the pr</li></ol>	iority documents have been re	eceived in this National Stage
application from the International Bure	au (PCT Rule 17.2(a)).	
* See the attached detailed Office action for a list	st of the certified copies not re	eceived.
Attachment(s)		
Notice of References Cited (PTO-892)     Notice of Draftsperson's Patent Drawing Review (PTO-948)		ımmary (PTO-413) /Mail Date

U.S. Patent and Trademark Office PTOL-326 (Rev. 7-05)

Paper No(s)/Mail Date \_\_\_\_\_.

3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)

6) Other: \_

5) Notice of Informal Patent Application (PTO-152)

## **DETAILED ACTION**

## Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
  - I. Claims 1-23, drawn to a method for forming shallow trench isolation structures, classified in class 438, subclass 700.
  - II. Claims 24 and 25, drawn to a shallow trench isolation structure, classified in class 438, subclass 1<sup>+</sup>.

The inventions are distinct, each from the other because of the following reasons:

- 2. Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the process as claimed can be used to make other and materially different product such as a memory cell.
- 3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.
- 4. Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Group II, restriction for examination purposes as indicated is proper.

5. A telephone call was made to October 19, 2005 on Kenton R. Mullins to request an oral election to the above restriction requirement, but did not result in an election being made.

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Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

6. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lynette T. Umez-Eronini whose telephone number is 571-272-1470. The examiner is normally unavailable on the First Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nadine Norton can be reached on 571-272-1465. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Art Unit 1765

ltue

October 26, 2005

NADINE NOTON WINER